

INTERNATIONAL SEARCH REPORT

IB2004/003035

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C23C4/08 C23C4/18 B44C5/04 C25D11/00 C25D17/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C23C B44C C25D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 393 778 A (BARGOIN MICHELE) 5 January 1979 (1979-01-05) page 1, line 1 - line 20; claims page 3, line 9 - line 38; figure 1	1-7, 19
X	FR 2 426 032 A (LAPELERIE PIERRE) 14 December 1979 (1979-12-14) page 4, line 7 - line 39; claims	1, 2, 8-12, 19
X	DE 24 37 786 A1 (PUETZ, ALBAN, 5456 RHEINBROHL) 19 February 1976 (1976-02-19) page 4, line 21 - page 7, line 7; claims	1, 2, 8-10, 19

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *&* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
7 February 2005	16/02/2005
Name and mailing address of the ISA: European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Mauger, J

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 10, 31 October 1996 (1996-10-31) & JP 08 165553 A (NIPPON ALUM CO LTD), 25 June 1996 (1996-06-25) abstract	1,2,5,8, 13-16,19
X	US 3 349 014 A (HYTER WILLIAM H) 24 October 1967 (1967-10-24) column 1, line 1 - column 2, line 59; claims 1,2	14,16-18
X	GB 2 063 920 A (UKAEA) 10 June 1981 (1981-06-10) claims; examples	14,16,18
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 110 (C-0920), 18 March 1992 (1992-03-18) & JP 03 285096 A (SUMITOMO METAL IND LTD; others: 01), 16 December 1991 (1991-12-16) abstract	14,16
X	PATENT ABSTRACTS OF JAPAN vol. 007, no. 022 (C-148), 28 January 1983 (1983-01-28) & JP 57 177997 A (MITSUBISHI KINZOKU KK), 1 November 1982 (1982-11-01) abstract	14,16

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
FR 2393778	A	05-01-1979	FR	2393778 A1		05-01-1979
FR 2426032	A	14-12-1979	FR	2426032 A1		14-12-1979
DE 2437786	A1	19-02-1976	NONE			
JP 08165553	A	25-06-1996	NONE			
US 3349014	A	24-10-1967	NONE			
GB 2063920	A	10-06-1981	NONE			
JP 03285096	A	16-12-1991	NONE			
JP 57177997	A	01-11-1982	JP	1307083 C		13-03-1986
			JP	60033200 B		01-08-1985